BRUHATH BANGALURU MAHANAGARA PALIKE
YELAHANKA ZONE

Name of the work : Annual Maintenance Of Electrical Equipments and Maintenance of Crematorium at Hebala kempapura ward no 7

Rs 11,00,000.00

Sl No	Description	Unit	Qty	Rate	Amount
1	Licenced electrician wiremen fitter with tools (Skilled) Rs.13365/Person/Month. Rs.13365*12=1,60,380/Person/Year. KAE71LWA 2015 Dated 04-08-2016	Per Person	1	160380.00	160380.00
2	a).Helper (Electrical) (Semi-Skilled) Rs.11011/Person/Month. Rs.11011*12=132132/Person/Year. KAE71LWA 2015 Dated 04-08-2016	Per Person	1	132132.00	132132.00
3	a).Sweeper (Unskilled) Rs.11011/Person/Month. Rs.11011*12=132132/Person/Year. KAE71LWA 2015 Dated 04-08-2016	Per Person	1	132132.00	132132.00
4	Gurkha Watchman (Unskilled) Rs.11011/Person/Month. Rs.11011*12=132132/Person/Year. KAE71LWA 2015 Dated 04-08-2016	Per Person	1	132132.00	132132.00
5	Material components per day a)soap oil	P/Ltrs	100	15.00	1500.00
	b)henyl	P/Ltrs	150	70.00	10500.00
	c)Air Freshner cakes	Each	200	10.00	2000.00
	d)Room Freshner	P/Ltrs	50	157.50	7875.00
	e)Checks cloth	Doz	100	50.00	5000.00
	f)Dust cloths	Doz	50	50.00	2500.00
	g)Mop cloth	Each	36	70.00	2520.00
	h)Soft broom	Each	36	20.00	720.00
	i)Hard broom	Each	36	8.00	288.00
	j)Road brush	Each	12	110.00	1320.00
	k)Urinal cakes	Each	150	8.00	1200.00
	l)HCL	P/Ltrs	36	8.00	288.00
6	Supplaying & Fixing of Coil holding bricks Vertical System115X115X300 mm	Each	2	6950.00	13900.00
7	Supplaying & Fixing of 3.5 KW Heating coils Made out of 5.8mm Thick 80/20 Grade nickel chromium wire, Heating Zone should be 950mm length, End terminal rod ss 304Grade 10mm dia 550mm Lenth suitable for Verticle mounting system in Electrical Furnace including Porcelin beeds spacers Supporting system Complet	Each	5	37000.00	185000.00
8	Supplaying & Fixing of Body laying with MCL 150X300X600mm	Each	7	11600.00	81200.00
9	Annual Maintenance of 180 KVA D.G. Set Existing A.M.C. including of labour charges only for replacing the spare parts and periodically checkup of D.G. AMF panel (Without operator)	Each	1	44000.00	44000.00
10	Supplying & Changing of B Check Kit for Engine.	Nos	2	3150.00	6300.00
11	Supplying & Changing of Alternator AVR.(Automatic Voltage Regulator)	Nos	1	9600.00	9600.00

12	Supplying & Changing of Alternator Rectifier	Nos	1	2800.00	2800.00
13	Supplying & Changing of Dynamo repair Kit such as Corbons, Bearings & Diode Etc,.	Nos	1	3100.00	3100.00
14	Supplying & Changing of Batery terminals	Nos	2	268.00	536.00
15	Supplying & Fixing of Air filter	Nos	1	2880.00	2880.00
16 45/ 6.8	Supplying of Switch disconnector fuse unit (TPN) HRC type (but without HRC fuses). With AC-23A duty and as per IS-13947. 2) 125Amps	Each	1	5060.00	5060.00
17 45/ 6.10	Supplying and fixing HRC fuse link on existing switch fuse base with watt loss as per IS-13703. 3) 125Amps	Each	3	358.00	1074.00
18	Supplying & Changing of Radiotor hose Kit (3 Nos)	Set	1	1920.00	1920.00
19	Supplying & Changing of Top cover gasket.	Nos	1	1920.00	1920.00
20	Servicing & cleaning of Scrubber, Scrubber duct Exhaust Blower & Duct Furnace to Chimny and cleaning of chimny (6 monts once)	P/Set	4	10000.00	40000.00
21	Accost - 50 Grade	Bag	1	1700.00	1700.00
22	Fire crate super	Bag	1	2750.00	2750.00
23	Thermotex	Bag	1	3100.00	3100.00
24	Fire blanket : 128 Grade	Each	1	3150.00	3150.00
25 XXXII /872	Plastic buckets 20 L capacity PWD Civil SR 2013-14	No	4	120.00	480.00
26 XXXII /882	Plastic Mugs PWD Civil SR 2013-14	No	5	30.00	150.00
27 2.6.1	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -A.1.5 sqmm	Rmt	95	18.60	1767.00
28 2.6.4	4)4 sqmm	P/Mtr	90	42.70	3843.00
29 46/6.13 A.2	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of overload and short circuit with thermal Magnetic/Micro processed release and Earth Fault as per IS-13947. (Icu=Ics). FOUR POLE 6) 125-160Amps 25kA.	Each	3	5406.00	16218.00
30 44/6.7	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 4) 100 Amps	Each	3	360.00	1080.00
	5) 200 Amps	Each	6	732.00	4392.00
31 48/6.36	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C.50 Hz 12/24v D.C.	Each	6	442.00	2652.00
32 64/ 7.21	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 11) 95 sq mm long barrel	Each	12	149.76	1797.12
	15) 240 sq mm long barrel	Each	6	478.92	2873.52
33 45/6.12	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 4) 5)160-200Amps	Each	2	15974.00	31948.00
	3) 60-70 amps	Each	4	4774.00	19096.00

34 47/6.16	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required confirming IEC 60898. 6) 40-63 Amps TPN	Each	4	1936.00	7744.00
	3) 5-32Amps DP	Each	4	849.00	3396.00
35	Misscellenious charges	L/S			86.36
TOTAL					**1100000.00**

CERTIFICATE

1. The place was inspected and work is essential
2. The place comes under BBMP limits.
3. The estimated prepared based on the PWD Electrical SR's 2010-11, 2014-15 Rates, PWD Civil 2013-14 and also

T.N. Babu

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 11.00 LAKHS
RUPEES ELEVEN LAKHS ONLY
is accorded under P0287 M. and R TO ELECTRICAL CREMATORIA
Registered as EE No. ..... Subject to conditions contained in the closed memo No. BBMP/EE(ELE)/42/AS/37 2018-19 Dt 29.10.18

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 11.00 LAKHS
Rupees ELEVEN LAKHS ONLY
Under: P0287 M and R TO ELECTRICAL CREMATORIA
Registered as EE ( ) No. 99
Subject to conditions contained in enclosed memo EE ( ) No. BBMP/EE(ELE)/42/AS/
Dt. BBMP/EE(ELE)/42/TS/20 Estimate A/ Sanctioned No. 2018-19
Dated 29.10.2018 Rs. 11.00 LAKHS

Executive Engineer